



Snohomish Conservation District

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Engineering needed for DNMPs

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September 19, 2000

Question: How much engineering assistance is needed to implement DNMPs in Washington State?

Assumptions:

1. The dairies and workload generated by them in Snohomish Conservation District are representative of the dairies throughout Washington State.
2. The engineering workload required to implement the approved DNMPs in Snohomish County is similar to the workload that will be required by DNMPs that will be approved in the future.
3. Numbers of approved DNMPs and dairy farm numbers came from www.conserver.org.
4. All conservation practices called for in the DNMPs will require assistance.
5. Not all conservation practices called for will require engineering assistance.

Given:

1. There are 65 dairies in Snohomish County.
2. There are 18 approved DNMPs in Snohomish County.
3. There are 713 dairies in Washington State.
4. There are 231 approved DNMPs in Washington State.

Analysis: See attached worksheet and graphs.

Results:

- 3.5 Engineering FTEs would be required to provide assistance to fully certify and implement DNMPs for all dairies in Snohomish County.
2. 34 Engineering FTEs would be required to provide assistance to fully certify and implement DNMPs for all dairies in Washington State.

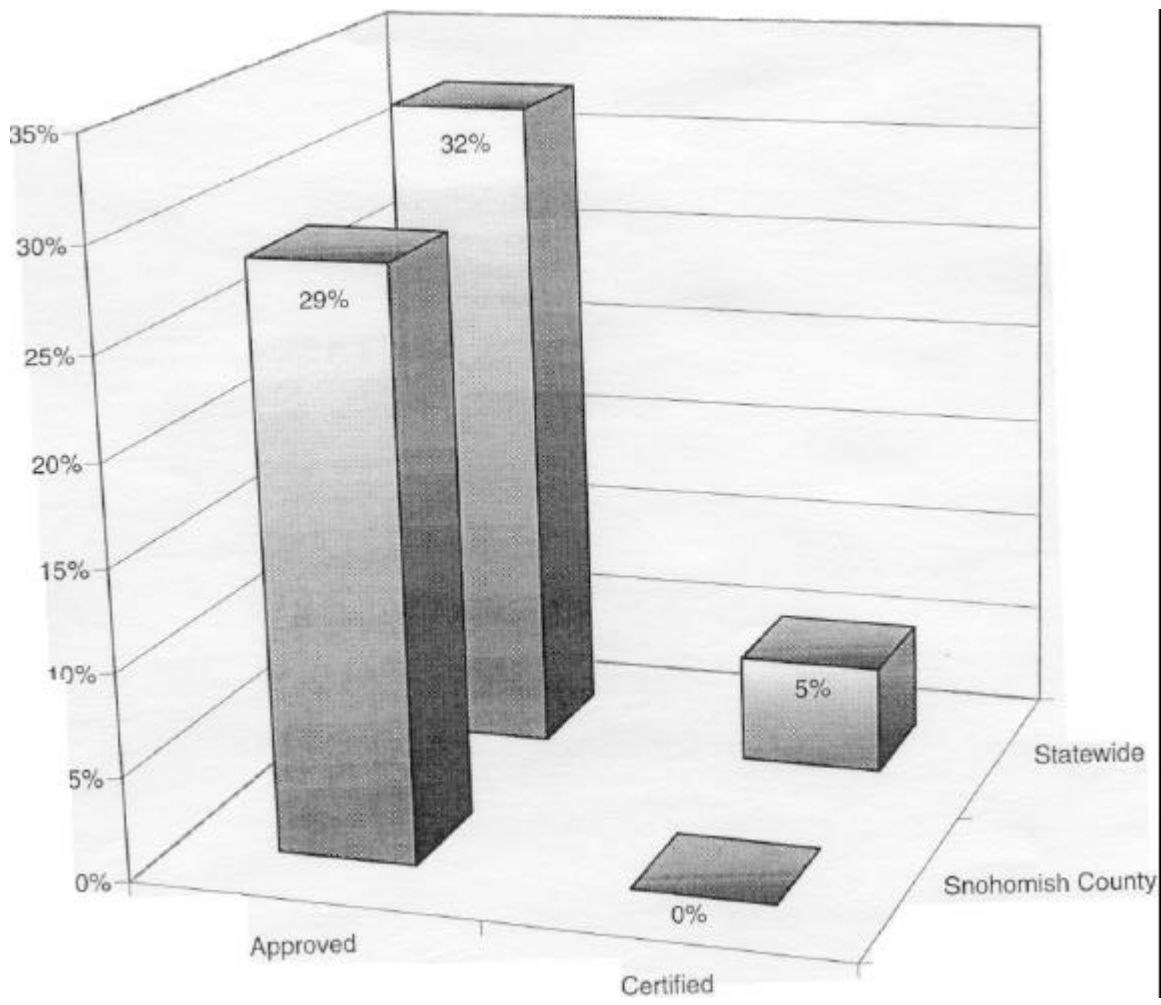
Snohomish Conservation District

Estimated Engineering Workload

Associated with Approved DNMPs

Conservation Practice	Quantity Planned	Estimated Engineering Days (Each)	Subtotal
Waste Transfer	17	12	204
Waste Storage Pond	9	20	180
Waste Storage Structure	6	15	90
Roof Runoff Management	7	5	35
Fencing	5	3	15
Use Exclusion	5	3	15
Irrigation System - Sprinkler	2	7	14
Nutrient Management	18	0.5	9
Filter Strip	2	3	6
Heavy Use Area Protection	1	5	5
Runoff Management System	1	3	3
Pasture & Hayland Planting	17	0.1	1.7
Pasture & Hayland Management	15	0.1	1.5
Cover & Green Manure Crop	11	0.1	1.1
Conservation Cropping Sequence	9	0.1	0.9
Prescribed Grazing Use	8	0.1	0.8
Chiseling & Subsoiling	6	0.1	0.6
Tree Planting	6	0.1	0.6
Critical Area Planting	1	0.5	0.5
Wildlife Wetland Habitat Management	4	0.1	0.4
Conservation Cover	1	0.25	0.25
TOTAL (Practices)	151		
TOTAL (Work Days)			584
Projected TOTAL (Practices)	529		
Projected TOTAL (Work Days)			2,045
DNMP Development	47	0.5	24
PROJECTED STATEWIDE TOTAL (Practices)	5,981		
PROJECTED STATEWIDE TOTAL (Engineering Work Days)			20,977
PROJECTED STATEWIDE TOTAL (Engineering Work Days for DNMP Development)			241
PROJECTED STATEWIDE TOTAL (Engineering Work Days)			20,157
Full-Time Equivalent Employees			34

DNMP Status, 9/00



Engineering Workload by Practice

